

Title (en)
ADD-ON MODULE FOR A FIELD DEVICE

Title (de)
ZUSATZMODUL FÜR EIN FELDDGERÄT

Title (fr)
MODULE SUPPLÉMENTAIRE POUR UN APPAREIL DE TERRAIN

Publication
EP 3948166 A1 20220209 (DE)

Application
EP 20712873 A 20200312

Priority
• DE 102019108564 A 20190402
• EP 2020056709 W 20200312

Abstract (en)
[origin: WO2020200689A1] The invention relates to an add-on module (1) for a field device (3) for measuring and/or monitoring at least one measurement variable (L), wherein the field device (3) can be mounted by means of a process port (7) at a site of use in such a manner that a region of the field device (3) facing the process is exposed to process conditions (PB) prevailing at the site of use and a region of the field device (3) facing away from the process is exposed to ambient conditions (UB) prevailing at the site of use. The add-on module (1) makes it possible to capture stresses imposed on the field device (3) by the ambient conditions in a manner which can be flexibly adapted to the conditions at the site of use. To this end, the add-on module (1) can be mounted on the region of the field device (3) facing away from the process and comprises at least one receiving device into which one measuring module (33), which can be selected from a module toolbox comprising various measuring modules (33), can be inserted or is inserted, wherein each measuring module (33) in each case captures by measurement at least one ambient parameter and/or at least one effect of the ambient conditions (UB) on the measuring module (33) in question, and wherein the add-on module (1) comprises an evaluation unit (35) which, on the basis of the ambient parameter and/or effects captured by means of the measuring modules (33) connected to the evaluation unit (35), determines an instantaneous stress acting on the field device (3) equipped with said add-on module (1) and/or an overall stress to which the field device (3) equipped with the add-on module (1) has been exposed thus far overall during the period of use thereof.

IPC 8 full level
G01D 3/08 (2006.01)

CPC (source: EP US)
G01D 3/08 (2013.01 - EP US); **G01D 11/24** (2013.01 - EP US); **G01D 11/30** (2013.01 - EP US); **G01D 21/02** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020200689 A1 20201008; CN 113677956 A 20211119; DE 102019108564 A1 20201008; EP 3948166 A1 20220209; JP 2022526852 A 20220526; JP 7349507 B2 20230922; US 12013260 B2 20240618; US 2022155099 A1 20220519

DOCDB simple family (application)
EP 2020056709 W 20200312; CN 202080026408 A 20200312; DE 102019108564 A 20190402; EP 20712873 A 20200312; JP 2021560487 A 20200312; US 202017600192 A 20200312